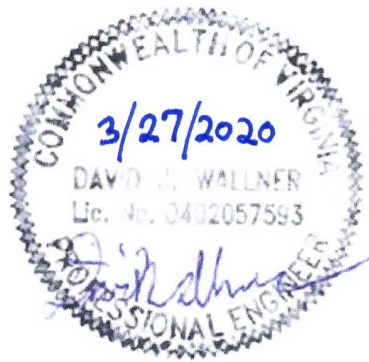
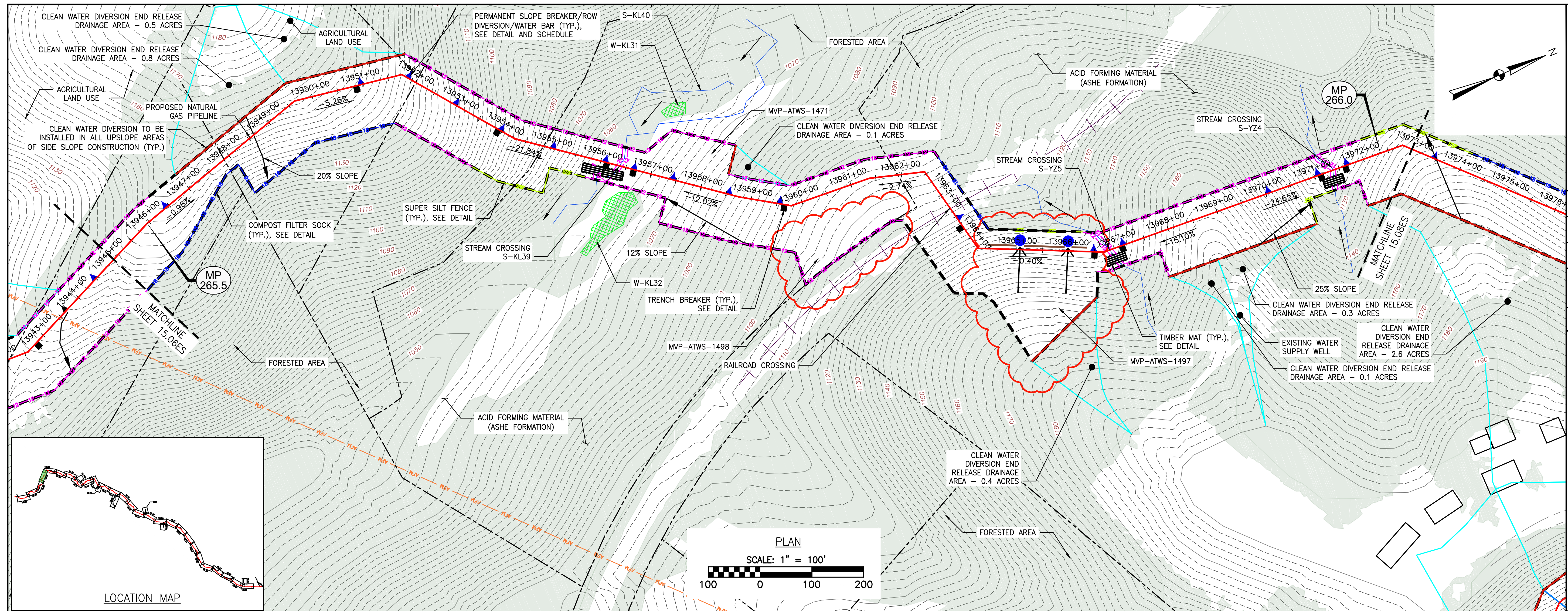


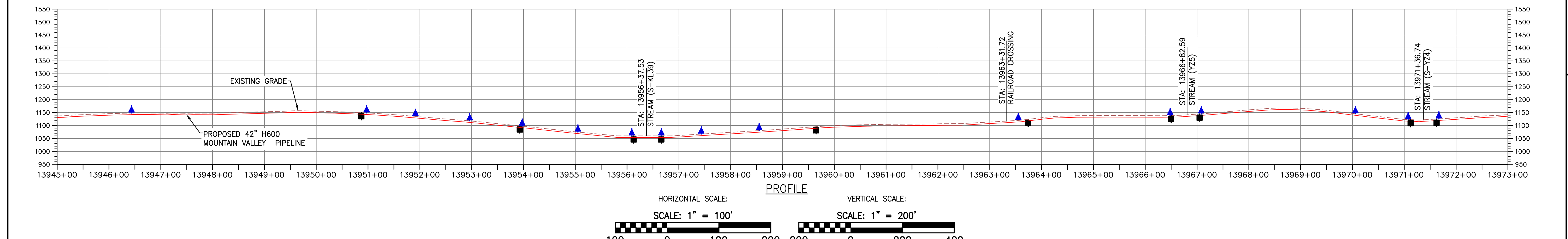
By virtue of this seal and signature, all supporting documents included in this package are accurate and support the design presented herein.





NO.	DATE	APPD.	CHKD.	DESCRIPTION
1	01/23/20	JK	RE	ADDRESS VAEQ COMMENTS TO FIELD MODIFICATION SUBMITAL
2	11/09/18	JW	RE	ADDRESS VAEQ COMMENTS TO FIELD MODIFICATION SUBMITAL
3	09/09/18	JW	RE	FIELD MODIFICATION
4	03/16/18	KAL	RE	ADDRESS VAEQ COMMENTS
5	03/04/18	KAL	RE	ADDRESS VAEQ COMMENTS
6	02/27/18	KAL	RE	ADDRESS VAEQ COMMENTS

**Mountain Valley Pipeline**  
**EROSION AND SEDIMENT CONTROL PLANS**  
**MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE**  
 SPREAD 11 - FRANKLIN COUNTY, VIRGINIA  
**MOUNTAIN VALLEY PIPELINE, LLC**  
 2200 ENERGY DRIVE  
 CANONSBURG, PA 15317



**LEGEND**

--- PROPOSED LIMIT OF DISTURBANCE	--- PROPOSED ACCESS ROAD CENTERLINE
--- STREAM	--- PROPOSED PIPELINE
--- USDA FOREST SERVICE (NATIONAL FOREST) LANDS	--- PROPOSED SILT FENCE (SEE NOTE 5)
--- APPALACHIAN NATIONAL SCENIC TRAIL	--- PROPOSED SUPER SILT FENCE (SEE DETAIL MVP-ES9.2)
--- EXISTING ROAD/TRAIL	--- PROPOSED REINFORCED FILTRATION DEVICE (SEE DETAILS MVP-ES9, 9.1, 9.2, 9.3)
--- EXISTING PROPERTY LINE	--- ORANGE CONSTRUCTION SAFETY FENCE
--- EXISTING STATE LINE	--- PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)
--- EXISTING COUNTY LINE	--- PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)
--- POND	--- PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)
--- WETLAND	--- GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)
--- AFM --- ACID FORMING MATERIAL	--- CLEAN WATER DIVERSION PIPE
--- EXISTING FOREST	--- CLEAN WATER DIVERSION DIKE (SEE DETAIL MVP-ES50 AND MVP-ES51)

--- TEMPORARY DIVERSION DIKE (VESCH STD & SPEC 3.09)	--- TEMPORARY ROW DIVERSION/WATER BAR (SEE DETAIL MVP-17 AND VESCH STD & SPEC 3.11)
--- SEDIMENT SUMP (SEE DETAIL MVP-ES42.1)	--- STREAM FLOW DIRECTION
--- FEMA 100 YEAR FLOODPLAIN	--- DRAINAGE AREA BOUNDARY
--- TIMBER MAT (SEE DETAIL MVP-ES37)	--- STEEP SLOPE EROSION CONTROL (SEE NOTE 2)
--- STEEP SLOPE AREAS (SEE NOTE 4)	--- PROPOSED ROCK CONSTRUCTION ENTRANCE
--- PROPOSED TRENCH BREAKER (SEE DETAIL MVP-20)	--- TEMPORARY ROW DIVERSION/WATER BAR (VADEQ STD & SPEC 3.11)
--- PERMANENT SLOPE BREAKER/ROW DIVERSION/WATER BAR (SEE DETAILS MVP-17, ES38, AND SCHEDULE)	

- NOTES:**
- TOPSOIL SEGREGATION TO BE CONDUCTED THROUGHOUT THE JEFFERSON NATIONAL FOREST.
  - FLEXITERRA, EARTHGUARD OR EQUIVALENT MAY BE USED AS A SUBSTITUTE TO EROSION CONTROL BLANKET AS DIRECTED BY MVP.
  - CONTRACTOR IS RESPONSIBLE TO IDENTIFY ALL UTILITIES. THE UTILITY LINES SHOWN ON THE PLAN ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT REPRESENT SURVEYED LINE INFORMATION.
  - SLOPES OF 30° OR GREATER EXIST. CONSTRUCTION FOR STEEP SLOPES TO BE PERFORMED USING STEEP SLOPE TECHNIQUES IDENTIFIED IN THE DETAIL SHEETS. ALSO REFER TO THE SITE-SPECIFIC DESIGN OF STABILIZATION MEASURES IN SELECTED HIGH-HAZARD PORTIONS OF THE ROUTE OF THE PROPOSED MOUNTAIN VALLEY PIPELINE PROJECT.
  - WHERE CONSTRUCTION CONDITIONS PRECLUDE THE USE OF DIVERSION DITCHES DUE TO SITE CONDITIONS THE CONTRACTOR WILL INSTALL SILT FENCE AT THE DIRECTION OF MVP.
  - DRAINAGE FEATURE CROSSINGS TO BE PERFORMED PER DETAIL MVP-ES49.
  - TEMPORARY ACCESS ROAD CROSSING OF STREAMS AND WETLANDS WILL UTILIZE TIMBERMATS. ANY PERMANENT ROAD CROSSINGS WILL BE CONDUCTED VIA CULVERTS. NO UNPERMITTED IMPACT TO STREAMS WILL OCCUR AS A RESULT OF ROAD OR PIPELINE CROSSINGS AND ALL ESC BMP'S WILL BE INSTALLED TO CONTINUE THE STREAM FLOW.
  - ALL NON VMRC STREAM CROSSINGS WILL BE PERFORMED AS DESCRIBED IN THE STREAM CROSSING TABLE INCLUDED IN THIS PACKAGE AND PER DETAIL MVP-ES49.

**TETRA TECH**  
 complex world | CLEAR SOLUTIONS™  
 661 ANDERSEN DRIVE  
 FOSTER PLAZA 7  
 PITTSBURGH, PA 15220

**EROSION AND SEDIMENT CONTROL PLANS**

DRAWN BY: JK CHECKED BY: RE APPROVED BY: DW DATE: 01/23/2020 SCALE: AS SHOWN SHEET NO. 15.07ES OF 15.99ES